



Scientific Drilling

Gyroscopic Survey Report
for
DEVON

30-015-38334

Well Location	EDDY COUNTY, NEW MEXICO
Well Name	DIAMOND PWU 22-1 H
Rig Name	H&P 300
Survey Date	4/4/2011
Latitude	32.65 deg
North Reference	Grid North
Grid Correction	-0.14 deg
Depth Reference	RKB
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 88.08Azim (deg)
Definitive Survey	FINAL GYRO SURVEY
Operator	FRANK RENTERIA

Comments

26.2 FOOT KB



Survey Report

Well Name:		DIAMOND PWU 22-1 H								
Survey:		FINAL GYRO SURVEY								
Survey Date:		4/4/2011								
MD	Inc	Azim	TVD	VS	Northing	Easting	DLS	Closure Distance	Closure Angle	
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	deg	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00	
100.00	1.48	324.44	99.99	-0.72	1.05	-0.75	1.48	1.29	324.44	
200.00	1.89	324.87	199.95	-2.34	3.46	-2.46	0.41	4.24	324.61	
300.00	1.89	324.41	299.89	-4.16	6.15	-4.37	0.02	7.54	324.62	
400.00	2.07	324.30	399.83	-6.08	8.96	-6.38	0.17	10.99	324.54	
500.00	1.74	335.54	499.78	-7.66	11.80	-8.06	0.49	14.29	325.67	
600.00	1.58	341.23	599.73	-8.64	14.49	-9.13	0.23	17.13	327.78	
700.00	1.58	343.76	699.70	-9.38	17.12	-9.96	0.07	19.81	329.81	
800.00	1.53	353.60	799.66	-9.83	19.77	-10.50	0.27	22.38	332.03	
900.00	1.50	3.70	899.62	-9.80	22.40	-10.56	0.27	24.77	334.76	
1000.00	1.24	19.57	999.60	-9.28	24.73	-10.11	0.46	26.72	337.76	
1100.00	1.25	18.39	1099.57	-8.50	26.79	-9.41	0.03	28.39	340.65	
1200.00	1.13	12.08	1199.55	-7.89	28.79	-8.86	0.17	30.12	342.90	
1300.00	0.93	3.34	1299.53	-7.57	30.56	-8.60	0.26	31.75	344.28	
1400.00	0.99	348.03	1399.52	-7.65	32.22	-8.73	0.26	33.38	344.83	
1500.00	1.03	339.68	1499.51	-8.08	33.91	-9.23	0.15	35.14	344.78	
1600.00	0.90	331.32	1599.49	-8.72	35.44	-9.92	0.20	36.80	344.37	
1700.00	0.84	302.73	1699.48	-9.68	36.53	-10.91	0.43	38.12	343.37	
1800.00	0.65	304.66	1799.47	-10.74	37.25	-11.99	0.19	39.13	342.15	
1900.00	0.76	291.91	1899.46	-11.80	37.82	-13.08	0.19	40.02	340.92	
2000.00	0.78	303.27	1999.46	-12.97	38.44	-14.27	0.15	41.00	339.64	
2100.00	0.61	301.71	2099.45	-13.97	39.10	-15.29	0.18	41.98	338.64	
2200.00	0.69	312.89	2199.44	-14.84	39.78	-16.18	0.15	42.94	337.87	
2300.00	0.70	311.80	2299.43	-15.70	40.60	-17.07	0.02	44.04	337.19	
2400.00	0.56	309.73	2399.43	-16.51	41.32	-17.91	0.15	45.03	336.57	
2500.00	0.61	305.63	2499.42	-17.30	41.94	-18.71	0.06	45.93	335.95	
2600.00	0.59	316.92	2599.42	-18.06	42.63	-19.50	0.12	46.88	335.42	
2700.00	0.81	319.08	2699.41	-18.85	43.54	-20.32	0.22	48.05	334.99	
2800.00	0.78	320.89	2799.40	-19.70	44.61	-21.21	0.04	49.39	334.57	
2900.00	0.72	311.48	2899.39	-20.57	45.55	-22.11	0.14	50.63	334.11	
3000.00	0.81	318.30	2999.38	-21.48	46.49	-23.05	0.13	51.89	333.63	
3100.00	0.66	307.66	3099.37	-22.37	47.37	-23.97	0.20	53.09	333.16	
3200.00	0.65	310.50	3199.37	-23.23	48.09	-24.86	0.04	54.13	332.66	
3300.00	0.73	318.05	3299.36	-24.06	48.93	-25.71	0.13	55.27	332.28	
3400.00	0.71	303.66	3399.35	-24.97	49.75	-26.65	0.18	56.44	331.82	
3500.00	0.84	310.78	3499.34	-26.01	50.56	-27.72	0.16	57.66	331.27	
3600.00	0.79	311.62	3599.33	-27.05	51.50	-28.79	0.05	59.00	330.79	
3700.00	0.80	316.49	3699.32	-28.01	52.46	-29.78	0.07	60.33	330.42	
3800.00	1.04	312.95	3799.31	-29.12	53.59	-30.93	0.24	61.88	330.01	



Survey Report

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ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	deg
3900.00	1.00	303.99	3899.30	-30.47	54.70	-32.32	0.16	63.53	329.42
4000.00	1.01	314.47	3999.28	-31.79	55.80	-33.67	0.18	65.18	328.89
4100.00	1.26	316.96	4099.26	-33.12	57.23	-35.05	0.26	67.11	328.51
4200.00	1.70	319.94	4199.23	-34.76	59.17	-36.76	0.44	69.66	328.15
4300.00	1.80	320.46	4299.18	-36.64	61.52	-38.72	0.10	72.69	327.81
4400.00	1.90	324.27	4399.13	-38.52	64.07	-40.69	0.16	75.90	327.58
4500.00	1.95	328.00	4499.07	-40.29	66.86	-42.56	0.14	79.26	327.52
4600.00	2.04	330.34	4599.01	-41.98	69.85	-44.34	0.12	82.74	327.59
4700.00	1.93	339.04	4698.95	-43.35	72.97	-45.82	0.32	86.17	327.87
4800.00	2.04	338.36	4798.89	-44.50	76.20	-47.08	0.11	89.57	328.29
4900.00	2.16	334.70	4898.82	-45.85	79.56	-48.55	0.18	93.20	328.61
5000.00	2.45	335.12	4998.74	-47.43	83.20	-50.25	0.29	97.20	328.87
5100.00	2.52	337.81	5098.65	-49.03	87.18	-51.98	0.14	101.50	329.19
5200.00	2.52	335.99	5198.55	-50.62	91.23	-53.71	0.08	105.86	329.51
5300.00	2.67	334.69	5298.45	-52.37	95.34	-55.60	0.16	110.37	329.75
5400.00	2.52	326.80	5398.35	-54.44	99.29	-57.80	0.38	114.89	329.79
5500.00	2.24	324.64	5498.26	-56.66	102.72	-60.13	0.30	119.03	329.65
5600.00	1.70	316.66	5598.20	-58.72	105.40	-62.28	0.60	122.42	329.42
5700.00	1.33	319.27	5698.17	-60.43	107.36	-64.06	0.38	125.02	329.17
5800.00	0.46	38.55	5798.16	-60.90	108.54	-64.57	1.32	126.30	329.25
5900.00	1.09	69.66	5898.15	-59.74	109.19	-63.43	0.73	126.27	329.84
6000.00	1.61	68.32	5998.12	-57.52	110.03	-61.24	0.52	125.93	330.90
6100.00	1.43	43.25	6098.08	-55.31	111.46	-59.08	0.68	126.15	332.08
6200.00	1.27	6.15	6198.06	-54.27	113.47	-58.10	0.87	127.48	332.89
6300.00	1.26	345.88	6298.03	-54.35	115.64	-58.25	0.45	129.48	333.26
6400.00	0.96	322.21	6398.02	-55.07	117.37	-59.03	0.55	131.38	333.30
6500.00	0.53	305.29	6498.01	-55.93	118.30	-59.93	0.47	132.61	333.13
6600.00	0.82	155.55	6598.00	-56.02	117.91	-60.01	1.31	132.30	333.03
6700.00	1.68	114.97	6697.98	-54.44	116.64	-58.38	1.18	130.44	333.41
6800.00	1.38	109.58	6797.95	-52.02	115.62	-55.93	0.34	128.44	334.19
6900.00	1.61	113.18	6897.91	-49.63	114.67	-53.51	0.25	126.53	334.99
7000.00	2.19	98.22	6997.86	-46.48	113.84	-50.33	0.76	124.47	336.15
7100.00	1.33	136.82	7097.81	-43.84	112.72	-47.64	1.42	122.37	337.09
7200.00	1.28	169.49	7197.79	-42.90	110.77	-46.64	0.74	120.19	337.17
7248.00	1.26	159.91	7245.78	-42.66	109.75	-46.36	0.44	119.14	337.10